

Database Testing

Table Name: Student

Roll_No	Name	Address	Phone	Age
1	Saad Abdullah	Dhaka	01928763378	30
2	Mahfuz	Barishal	01938736447	40
3	Mahira	Delhi	01937473644	40
4	Radiya	Cumilla	0138736447	70
5	Mina	Faridpur	01938736447	34
6	Jinmi	Dhaka	01838354447	48
7	Miraz	Barishal	01638736447	23
8	Faad	Dhaka	01538736447	76

Table Name: StudentCourse

CourseID	Roll_No
1	1
1	1
2	2
2	3
3	4
4	5
5	6
4	7
1	8
5	9
3	10
2	11

Inner Join Table:

```
SELECT studentcourse.CourseID, student.Name, student.Age FROM student
INNER JOIN studentcourse
ON student.Roll_No = studentcourse.Roll_No;
```

CourseID	Name	Age
1	Saad Abdullah	30
1	Saad Abdullah	30
2	Mahfuz	40
2	Mahira	40
3	Radiya	70
4	Mina	34
5	Jinmi	48
4	Miraz	23
1	Faad	76

Left Join Table:

```
SELECT student.Name,studentcourse.CourseID
FROM student
LEFT JOIN studentcourse
ON studentcourse.Roll_No = student.Roll_No;
```

Name	CourseID
Saad Abdullah	1
Saad Abdullah	1
Mahfuz	2
Mahira	2
Radiya	3
Mina	4
Jinmi	5
Miraz	4
Faad	1

Right Join Table:

```
SELECT student.Name,studentcourse.CourseID  
FROM student  
RIGHT JOIN studentcourse  
ON studentcourse.Roll_No = student.Roll_No;
```

Name	CourseID
Saad Abdullah	1
Saad Abdullah	1
Mahfuz	2
Mahira	2
Radiya	3
Mina	4
Jinmi	5
Miraz	4
Faad	1
NULL	5
NULL	3
NULL	2

Full Outer Join Table:

```
SELECT student.Name,studentcourse.CourseID  
FROM student  
FULL JOIN studentcourse  
ON studentcourse.Roll_No = student.Roll_No;
```